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**TRANSMITTAL  
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<b>Total Number of Pages in This Submission</b> 6	<b>Application Number</b>	10/654,163
	<b>Filing Date</b>	09/03/2003
	<b>First Named Inventor</b>	Timothy J. Guzi et al.
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
<b>Attorney Docket Number</b>		OC01620K

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Cert. of Mailing (1pg.); PTO-1449 (1pg. in dup); References (24) ; Post Card
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Firm or Individual</b>	Palaiyur S. Kalyanaraman, Reg. No. 34,634
<b>Signature</b>	
<b>Date</b>	12/11/2003

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

X

Applicant(s): **Timothy J. Guzi et al.**

: Group Art Unit:

Serial No.: **10/654,163**

: Examiner:

Filed: **09/03/2003**

: Attorney Docket No. : **OC01620K**

For: **"Novel Pyrazolopyrimidines as  
Cyclin Dependent Kinase  
Inhibitors"**

X

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 56, it is requested that the documents listed on the accompanying PTO-1449 Form be considered and made of record in the above-identified patent application. Copy(ies) of these references ☒ are attached ☐ were filed in related application U.S. Serial No(s) \_\_\_\_\_ filed \_\_\_\_\_, respectively.

(b) No fee is believed due because:

- ☐ This Information Disclosure Statement is being filed within three (3) months of the filing date of the application.
- ☐ This Information Disclosure Statement is being concurrently filed with the above-identified application.
- ☐ This Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).
- ☒ This Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.

(c) ☐ This Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or

☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

(d) ☐ This Information Disclosure Statement is being filed on or before the payment of the issue fee; and

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☐ The Commissioner is hereby authorized to charge the requisite fee listed on the attached Fee Transmittal Sheet.

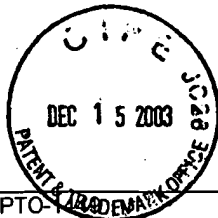
☐ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 19-0395, Patent Case No. OC01620K. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,  
SCHERING-PLOUGH CORPORATION

Dated: 12/11/2003  
SCHERING-PLOUGH CORPORATION  
Patent Department, K-6-1, 1990  
2000 Galloping Hill Road  
Kenilworth, NJ 07033-0530  
Facsimile No.: (908) 298-5388

By: 

Name: **Palaiyur S. Kalyanaraman**  
Reg. No.: **34,634**  
**Attorney of Record**  
Telephone No.: (908) 298-5068


Sheet 1 of 1

FORM PTO-1 <b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		ATTY. DOCKET NO.: <b>OC01620K</b> APPLICATION NO.: <b>10/654,163</b> APPLICANT: <b>Tim thy J. Guzi t al.</b> FILING DATE: <b>09/03/2003</b> GROUP:				
<b>U.S. PATENT DOCUMENTS</b>						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA	US 5,571,813	11/05/1996	Rühter <i>et al.</i>			
AB	US 5,602,136	02/11/1997	Rühter <i>et al.</i>			
AC	US 5,602,137	02/11/1997	Rühter <i>et al.</i>			
AD	US 5,688,949	11/18/1997	Inoue <i>et al.</i>			
AE	US 5,707,997	01/13/1998	Shoji <i>et al.</i>			
AF	US 5,919,815	07/06/1999	Bradley <i>et al.</i>			
AG	US 6,040,321	03/21/2000	Kim <i>et al.</i>			
AH	US 6,191,131	02/20/2001	He <i>et al.</i>			
AI	US 6,262,096	07/17/2001	Kim <i>et al.</i>			
AJ	US 6,413,974	07/02/2002	Dumont <i>et al.</i>			
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AK	EP 0 628 559	04/03/2002	Europe			
AL	EP 1 334 973	08/13/2003	Europe			
AM	WO 02/40485	05/23/2002	PCT			
AN	WO 02/50079	06/27/2002	PCT			
AO	WO 95/35298	12/28/1995	PCT			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
AP	Vesely <i>et al.</i> , "Inhibition of Cyclin-Dependent Kinases by Purine Analogues", <i>Eur. J. Biochem</i> (1994), <b>224</b> : 771-786.					
AQ	Kim <i>et al.</i> , "Discovery of Aminothiazole Inhibitors of Cyclin-Dependent Kinase 2: Synthesis, X-ray Crystallographic Analysis, and Biological Activities", <i>Journal of Medical Chemistry</i> , Page EST:22.3, A-W.					
AR	Mettey <i>et al.</i> , "Aloisines, a New Family of CDK/GSK-3 Inhibitors. SAR Study, Crystal Structure in Complex with CDK2, Enzyme Selectivity, and Cellular Effects", <i>J. Med. Chem.</i> (2003), <b>46</b> (2): 222-236.					
AS	Novinson <i>et al.</i> , "Synthesis and Antifungal Properties of Certain 7-Alkylaminopyrazolo[1,5- $\alpha$ ]pyrimidines", <i>J. Med. Chem.</i> (1977), <b>20</b> (2): 296-299.					
AT	Senderowicz <i>et al.</i> , "Phase I Trial of Continuous Infusion Flavopiridol, a Novel Cyclin-Dependent Kinase Inhibitor, in Patients with Refractory Neoplasms", <i>Journal of Clinical Oncology</i> (September 1998), <b>16</b> (9): 2986-2999.					
AU	Meijer <i>et al.</i> , "Biochemical and Cellular Effects of Roscovitine, a Potent and Selective Inhibitor of the Cyclin-Dependent Kinases CDC2, CDK2 and CDK5", <i>Eur. J. Biochem.</i> (1997), <b>243</b> :527-536.					
AV	Bible <i>et al.</i> , "Cytotoxic Synergy Between Flavopiridol (NSC 649890, L86-8275) and Various Antineoplastic Agents: The Importance of Sequence of Administration", <i>Cancer Research</i> (August 15, 1997), <b>57</b> : 3375-3380.					
AW	Shiota <i>et al.</i> , "Synthesis and Structure-Activity Relationship of a New Series of Potent Angiotensin II Receptor Antagonists: Pyrazolo[1,5- $\alpha$ ]pyrimidine Derivatives", <i>Chem. Pharm. Bull.</i> (1999), <b>47</b> (7): 928-938.					
AX	Yasuo Makisumi, "Studies on the Azaindolizine Compounds. XI. Synthesis of 6,7-Disubstituted Pyrazolo[1,5- $\alpha$ ]pyrimidines.", <i>Chem. Pharm. Bull.</i> (1962), <b>10</b> : 620-626.					
EXAMINER			DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						



Application No.: 10/654,163

Filing Date: 09/03/2003

Applicant: Timothy J. Guzi et al.

Title: NOVEL PYRAZOLOPYRIMIDINES AS CYCLIN DEPENDENT KINASE INHIBITORS

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Documents enclosed:

Response Transmittal (PTO/SB/21) - 1pg.

Information Disclosure Statement - 2pgs.

PTO-144 Form - 1pg. (in duplicate)

References (24)

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